CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.25 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ Fraction of events / 1 m_{γ_D} = 0.25 GeV, $c\tau_{\gamma_D}$ = 10. mm — 1st muon (leading p_⊤) --- 2nḍ muon 3rd muon 0.2 4th muon 0.15 0.1 0.05 20 40 60 100 120 80 of μ [GeV]